



MINUTES

MEETING DATE: December 19, 2017

TIME: 9:30AM – 11:00AM

LOCATION: Conference Call

Welcome

Attendees were welcomed by Jay Perman, Chairman of Maryland Life Sciences Advisory Board (LSAB) and the President of the University of Maryland, Baltimore (UMB) via the Conference Call.

Call to Order

Dr. Perman introduced himself and asked everyone to do so as well when they joined the call. Secretary Mike Gill commented on a recent Governor's Press Release on December 13th, 2017. This was in regards to the announcement of new STEM Industries, cell therapy manufacturing, and economic development initiatives. Dr. Perman asked for approval and acceptance of the October 23rd LSAB Minutes. He also recommended that the discussion of the Federal Commercialization Opportunities be included in the Minutes as well. Rich Bendis moved to accept the minutes and after the second by Jarrod Borkat, the minutes were approved.

Bret Schreiber was asked by Dr. Perman to speak about the updates for EXCEL Maryland. Recently there was an EXCEL Steering Committee Meeting and during this discussion, the vision statement for EXCEL was finalized. Governor Hogan and his administration will launch a \$33 million partnership with the University System of Maryland to increase degrees awarded in STEM-related fields. In addition, two workforce initiatives will be further developed and funded to enhance internships in the state of Maryland. The Maryland Technology Internship Program, and a technology internship platform, called IN-MD, which will allow for more students to become involved in STEM-related fields. A multimillion-dollar investment to establish a Center for Cell Therapy Manufacturing in conjunction with Johns Hopkins will be launched, and will give Maryland the opportunity to become the lead state in regenerative medicine.

Steve Pennington announced the More Jobs for Marylanders Act 2.0, which will expand the bill to include Garrett, Caroline, Kent and Wicomico Counties. These counties will be able to choose three industries where they can develop NAICS codes, which will aid in expanding job creation and tax credits.

Bret Schreiber introduced the chairman of each LSAB Working Group for this year and asked for board members or a designee to join a group:

- **Working Group 1** (Leverage and grow current ASSET base and accelerate commercialization): Bob Storey
- **Working Group 2** (Increase Connectivity among and awareness of Maryland's BioHealth assets and resources): Doug Liu
- **Working Group 3** (Increase availability and access to CAPITAL for early through advanced state BioHealth companies): Wendy Perrow
- **Working Group 4** (Grow Talent Pool of experienced BioHealth entrepreneur's, business leaders, graduates and scientists with commercially relevant experience): Laurie Locascio

Ben Wu spoke about the Federal Commercialization Opportunities and how they are now preparing for the Tech Transfer Summit, which will be in the Second Quarter. Maryland Universities will be asked to confirm their participation and promote synergies with this task force.

Bret Schreiber announced the electronic LSAB newsletter which will broadcast updates and gives an opportunity for interaction between board members. The Fischell Institute for BioMedical Devices is a UM Ventures project and will be a great resource for the medical device community. The Center should be used as a resource and can help with academics, FDA authorization, and pursue commercialization opportunities.

Dr. Perman announced the ribbon cutting at the University of Maryland and GRID, the Graduate Resource Innovation District where students can come to work together in hopes to become innovators and entrepreneurs.

Bob Storey spoke about the FDA and payer industry approval process for medical technologies. The FDA wants to take on the approval role. NIH is also interested in supporting this initiative by providing support. Maryland can become the test bed in this process.

Bret Schreiber mentioned attraction and expansion opportunities, specifically 7 expansion opportunities which will create 1,400 jobs. The National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL) received a \$70 million award from NIST. The University of Maryland College Park is a colead with the University of Delaware.

Next Steps

Dr. Perman has asked the for a mid-meeting in January to discuss the progress of each Working Group initiative.

Adjourn

Dr. Perman thanked everyone for their participation in the call and adjourned the meeting.

Board Members in Attendance

- Chair: Jay A. Perman, M.D., President – University of Maryland, Baltimore
- Vice Chair: Douglas Jon Liu, Senior Vice President, Head of Global Operations – Qiagen Sciences Inc.
- Members: Christopher P. Austin, M.D., Director, NCATS, U.S. National Institutes of Health
- Richard (Rich) A. Bendis, President and CEO – BioHealth Innovation Inc.
- Jarrold Borkat, Head, External Collaborations, Biotech Hubs and Government Contracting– MedImmune
- William (Bill) Hearl, Ph.D., CEO – Immunomic Therapeutics
- Laurie Locascio, Vice President, Research – UMCP
- Theodore (Ted) J. Olsen, President and CEO – PathSensors, Inc.
- Wendy Perrow, MBA, CEO – AsclepiX Therapeutics
- Karen L. Proudford, Ph.D., President, William E. Proudford Sickle Cell Fund, Inc.; Associate Professor of Management and Director, Graves Honor Program - Morgan State University
- Sanjay K. Rai, Ph.D., Senior Vice President for Academic Affairs – Montgomery College
- David W. Smith, Ph.D., Vice President, Global Business Development, Emerging Technologies – Lonza Walkersville, Inc.
- Col. Andrea Stahl, Ph.D., Director, MRMCC CBRN Defense Medical Research Coordinating Office and JPC-Radiation Health Effects – USAMRMC
- Bob Storey, Principal, MVR Company
- Frank F. Weichold, M.D., Ph.D., Director, Critical Path and Regulatory Science Initiatives, Office of the Commissioner – U.S. FDA
- Christy Wyskiel, MBA, Senior Advisor to the President and Head of Johns Hopkins Technology Ventures-- Johns Hopkins University
- Ex Officio: R. Michael Gill, Secretary – Maryland Department of Commerce

George Davis, President – TEDCO

Board Members Not in Attendance

Members: Christy Wyskiel, MBA, Senior Advisor to the President and Head of Johns Hopkins Technology Ventures-- Johns Hopkins University

Speakers and Guests in Attendance

Benjamin H. Wu, Deputy Secretary/Chief Operating Officer, Maryland Department of Commerce

Steve Pennington, Managing Director, Business and Industry Sector Development, Maryland Department of Commerce

Bret Schreiber, Senior Director, BioHealth & Life Sciences, Maryland Department of Commerce

Brad E. Fackler, Director, BioHealth & Life Sciences, Maryland Department of Commerce

Virginia Crews, Business Development Manager, BioHealth & Life Sciences, Maryland Department of Commerce

Nina Lamba, Business Development Manager, BioHealth & Life Sciences, Maryland Department of Commerce

Chelsie Caizzi, Business Development Associate, BioHealth & Life Sciences, Maryland Department of Commerce

Julie Woepke, Director, Maryland Economic Development Commission, Maryland Department of Commerce